

SECRET

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REFERENCE: [REDACTED]

ATTACHMENT TO L-3122
11 MAY 1967
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HYDRAULIC SUCTION DREDGE
HAI PHONG PORT FACILITIES, NORTH VIETNAM
2052N 10642E

1. SIGNIFICANCE:

THIS BRIEFING BOARD DEPICTS A HYDRAULIC SUCTION DREDGE IN
HAI PHONG HARBOR NORTH VIETNAM.

2. LOCATION:

THIS DREDGE IS LOCATED IMMEDIATELY WEST OF THE PATROL BOAT PIER
ON THE EASTERN EDGE OF THE HAI PHONG PORT FACILITIES [REDACTED]

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3. BACKGROUND:

EACH YEAR AN ESTIMATED FOUR MILLION CUBIC YARDS OF SILT ARE
DEPOSITED IN THE CHANNELS LEADING TO HAI PHONG. MOST OF THIS SILT IS
DEPOSITED IN THE CHANNELS DURING THE HEAVY RAINS FROM MAY THROUGH
AUGUST. IN ADDITION TO SILT CARRIED BY THE RIVER, WAVES CREATED BY
THE ASSOCIATED SOUTHEASTERLY WINDS CAUSE FURTHER SEDIMENT TO ACCUMULATE.
SILTING IS A MAJOR PROBLEM FOR HAI PHONG HARBOR AND ITS APPROACHES, AND
DEPTH VARY CONSIDERABLY FROM ONE LOCATION TO ANOTHER. CONSTANT DREDGING
IS NECESSARY TO PREVENT COMPLETE IMMOBILIZATION OF THE PORT, WHICH WOULD
BE CLOSED TO DEEP-DRAFT OCEAN GOING VESSELS IN ABOUT SIX MONTHS.

IMMEDIATELY AFTER THE NORTH VIETNAMESE GAINED CONTROL OF HAI PHONG
IN MAY 1955 THEY BEGAN DREDGING OPERATIONS WITH ABANDONED FRENCH DREDGES.
THE SOVIET UNION PROVIDED NORTH VIETNAM WITH A LARGE SUCTION DREDGE IN

NGA review(s) completed.

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MARCH 1956, WHICH SPENT TWO YEARS DEEPENING THE APPROACH CHANNEL TO 29-32 FEET AT HIGH TIDE. THE SOVIET DREDGE LEFT HAI PHONG IN APRIL 1958 AND WAS LATER REPLACED BY A SMALLER DREDGE.

4. MISSION READOUT:

[REDACTED] REVEALS A HYDRAULIC SUCTION DREDGE (POSSIBLY OF THE ZRS-1 TYPE) ON THE CUA CAM (DISTRIBUTARY). THE DREDGE DOES NOT APPEAR TO BE IN OPERATION. FIVE FLOATING PIPE SECTIONS AND ONE ADDITIONAL FLOATING PLATFORM ARE OBSERVED NEAR THE DREDGE.

5. REMARKS:

SIX NEW DREDGES, IDENTICAL TO THE SOVIET MODEL ZRS-1, ARRIVED IN HAI PHONG DURING AUGUST AND SEPTEMBER 1965. (THE ZRS-1 IS A SMALL CUTTER-SUCTION DREDGE MOUNTED ON A BARGE.) THE MODELS IN NORTH VIETNAM APPEAR TO HAVE 9-INCH DISCHARGE LINES, DREDGE TO A DEPTH OF ABOUT 16 FEET, AND MOVE APPROXIMATELY 100 CUBIC YARDS OF SEDIMENT PER HOUR. A SOVIET RADIO BROADCAST REPORTED THAT THESE DREDGES WERE CONSTRUCTED FOR THE NORTH VIETNAMESE AT THE POTI SUCTION DREDGE PLANT IN THE USSR.

[REDACTED]

BACKGROUND INFORMATION HAS BEEN TAKEN FROM DIA INTELLIGENCE BULLETIN 74-67, 17 APRIL 1967. (SECRET- [REDACTED])

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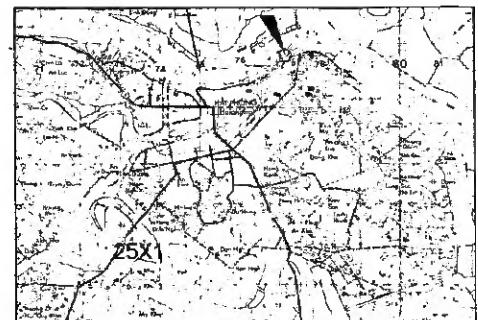
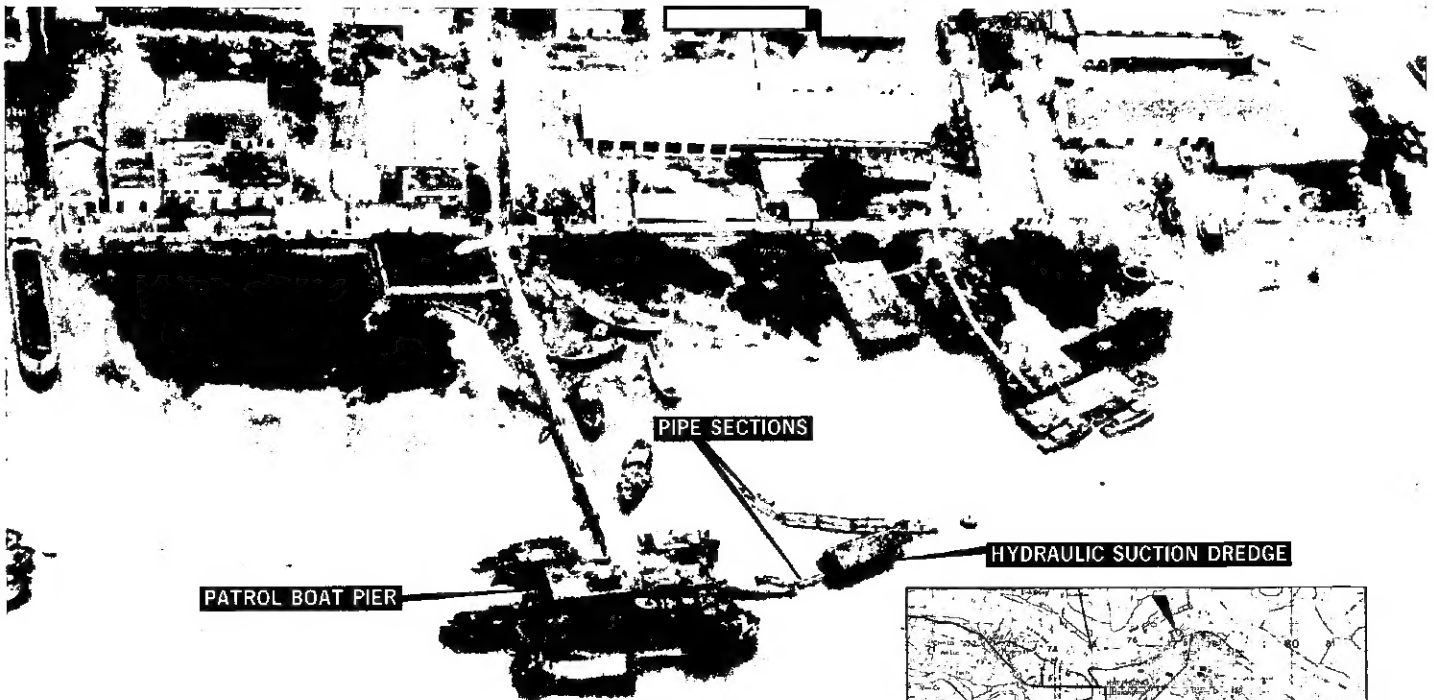
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HYDRAULIC SUCTION DREDGE
HAI PHONG PORT FACILITIES, NORTH VIETNAM
20-52N 106-42E



30X ENLARGEMENT
NPIC L-3122 (5/67)

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